



INVITATION FOR BID (IFB)

GC2018092556-6884-4705: Downtown Improvement – Abatement

DESCRIPTION: Furnish all required labor, materials and equipment necessary to provide Scope-of-Service at the described location. Work is being authorized by SynergyNDS as part of the TurnKey Recovery ProgramSM (Contractor Direct Repair Program) in limited partnership with the Florida Municipal Insurance Trust (FMIT).

LOCATION: Downtown Improvement | 413 Harrison Ave., Panama City, FL 32401

SUBMITTAL INSTRUCTIONS: For purposes of generating bid - IFB Packet includes scope specifications and bid sheet specific to referenced project

- Bids shall be received no later than 02/07/19 (emailed to bids@synergynds.com)
- Include Subject Line Reference: **GC2018092556-6884-4705: Downtown Improvement – Abatement**
- Contractor is required to identify and validate all necessary task items, measurements/dimensions &/or other applicable conditions in support of described scope-of-work. Contractor's Bid is to account for all work to be performed in accordance to trade standards and as required by Ordinance & Law.
- Bid shall be completed and submitted using **ONLY** the **Contractor Submittal Form** (provided at the end of the IFB Packet).
- Bid award will be made based on best overall LUMP SUM project value as determined by SynergyNDS in accordance to market valuation, project demands &/or critical path. Factors other than price may affect the bid award, such as ability to complete work in allotted time, quality of work performed, criteria of the FMIT Member, or other contributing factors.
- Bids received after above deadline or that are not submitted in accordance to Submittal Instructions may be rejected.
- SynergyNDS reserves the right to modify this IFB at any time during the bid process. Notice to all bidders will be given.

RETURN BID TO:

SynergyNDS / Hurricane Michael Recovery
FMIT Turnkey Recovery Program
Attention: bids@synergynds.com

Request On-Site Project Visit by emailing hurricanemichael@synergynds.com



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SCOPE OF WORK: Scope includes labor, tools, equipment, PPE, materials, supervision, and insurance necessary to complete the work described in general below. All scope-of-work shall be completed in accordance to manufacture specifications, building codes and applicable industry standards. Work is to begin no later than 2 weeks from contract award notification. Work is to be completed within 60 days from project start date (or other agreed date in writing) excluding unforeseen conditions. Any concerns with timeline is to be discussed with onsite project manager and an email is to be sent to hurricanemichael@synergynds.com for contract documentation.

1. Asbestos Abatement

- Asbestos abatement is required in areas as identified in the industrial hygienist (IH) repot. Appendix #1
 - The area of concern is primarily the 2nd floor popcorn texture and 3rd floor vent chase joint compound on the drywall.
- Remove all identified material in an approved method.
- Legally dispose of all material.
- Properly clean area after abatement is completed to ensure no positive materials are left.
- Perform all work in a safe manor in accordance to current safety rules and regulations.



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TERMS & CONDITIONS:

- The contractor shall abide by all applicable federal, state, and local regulations and codes and building owner policies.
- Contractor is to obtain their own permits. Permits can be obtained by contacting EPCI.
- Contractor is required to call in for all required inspections.
- Contractor to abide by all applicable OSHA requirements and standards. Contractor shall require all employees to utilize proper PPE, including but not limited to: fall protection harnesses, hard hats, safety glasses, safety foot wear, and gloves.
- The contractor shall provide Material Safety Data Sheets (MSDS) to the industrial hygienist of record (IHC, Corp.) for chemical-based products that will be used including, but not limited to, glues, cleaners, solvents, anti-microbial products, sanitizing agents, etc. The industrial hygienist of record retains the right to not allow the use of any of the products selected.
- The contractor shall be responsible for supplying any and all necessary equipment to complete outlined scope of work. Which may include but is not limited to:
 - Dumpsters for any waste materials, debris, etc.
 - Storage containers for materials, cleaning equipment, machinery, etc.
 - Scaffolding. Scaffolding shall be OSHA approved and inspected prior to commencement of work.
- The contractor shall keep the Project Site and the surrounding areas free from the accumulation of waste materials, debris, etc. caused by operations performed under this Scope of Work. Upon completion, the contractor shall remove from Project Site, and surrounding areas:
 - Any waste materials, debris, etc. caused by completing the outlined Scope of Work.
 - Any tools, cleaning equipment, machinery, surplus materials originally furnished by the contractor
- The contractor shall be responsible for field verifying all conditions prior to implementation of this scope of work.
- The contractor shall provide and implement a site-specific health and safety plan to include hazard communication and related OSHA.



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- The contractor is responsible to ensure that any sub-contractors comply with the provisions and terms of this scope of work.
- The contractor is responsible for submitting project and associated contract documents (labor and materials cost rates, worker logs, incidence logs, insurance related documentation, list of completed scope list items, change orders and any written or documented deviations from the contract) each week and a final closeout report with the same information within 30 days after restoration project completion.
- If the contractor determines that deviations, modifications (change order or supplemental costs) from the initial scope-of-work are required, the Contractor shall submit a written request to SynergyNDS for review and approval prior to start of any additional work not otherwise included in initial BID. The written request will contain, at a minimum:
 - Reason for deviation or modification
 - Description of deviation or modification
 - Estimated time required for deviation or modification
 - Project cost addition or subtraction for deviation or modification
- The contractor is NOT responsible for any conditions or activities the building owner or employees implemented prior to their arrival to the job site. This includes removal of contents, equipment or personnel from the affected areas to the non-affected areas of the building.
- During the cleaning work, pre-existing damage to the building, building system failures, etc. may be found. If this occurs, the contractor will identify, document and record these deficiencies for review and consideration. The item shall be described, the location of the item shall be noted, the date the item was discovered and why the item was discovered. The contractor shall notify the Project Manager of any additional discoveries.

PAYMENT: Project is managed by SynergyNDS, Inc., under the FMIT Turnkey Recovery Direct Repair Program. Payment will be made directly from the Turnkey Recovery Contractor Direct Repair Program to the contractor(s) in accordance with described terms & conditions. At SynergyNDS, Inc.'s discretion, qualified contractors may be eligible for an upfront material deposit or progress payments as determined prior to BID AWARD.



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PAYMENT TERMS: Payments will be made after inspection and approval of work by SynergyNDS, City Building Official &/or Insurance Adjuster. Accurate invoices and required project documentation must be submitted to SynergyNDS for project audit prior to payment.

HOLD HARMLESS: To the fullest extent permitted by law, the Contractor/Vendor shall indemnify, defend, and hold harmless SynergyNDS, Inc, & FMIT, their officers, agents, employees, elected, and appointed officials, Insurance Representatives and volunteers from and against any and all claims, losses or liability, including attorney's fees, arising from injury or death to persons or damage to property occasioned by any act, omission, or failure of the Contractor/Vendor and any of its officers, agents, employees, and volunteers in satisfying the terms required by this contract.

RIGHT TO ACCEPT, REJECT AND WAIVE DEFECTS: FMIT &/or Contracting Agent reserves the right to: reject all quotations; waive formalities, technical defects, and minor irregularities; accept the quotation (if any) deemed most advantageous to and in the best interests of Insured Members of FMIT. Award will be based on price, contractor's daily performance capabilities, availability to provide the specified services when required &/or in accordance to critical path scheduling.

DAMAGES: Contractor will be held liable for any damage caused to the building and ancillary structure, and/or injury to the occupants resulting from the execution of the work or from not exercising proper precautionary protective measures. Any cost of repair/replacement resulting from damages shall be at the contractor's expense.

WORK-SITE PRACTICES:

- Contractor's workers, as well as the various trade contractors entering or leaving the work area, will all attend a site-specific safety meeting as well as daily safety meetings prior the scheduled work day.
- Contractor's workers entering or leaving the work area will don or remove personal protective equipment and clothing in the staging area outside of each work area.
- Waste materials transported from the bag out unit must be moved in a fashion that prevents spreading contamination outside the work area.



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WORKER PERSONAL PROTECTION EQUIPMENT: The National Institute for Occupational Safety and Health (NIOSH) provides the following interim guidelines and warnings to restoration workers.

- Steel toed leather boots should be worn. Tennis shoes or sneakers should *not* be worn because they will transfer contamination and will not prevent punctures, bites, or crush injuries.
- Goggles, safety glasses with side shields or full-face shields shall be used when performing restoration related activities that involve demolition, cutting or the use of ANY power tools. Sun/glare-protective lenses may be needed in some work settings. The use of goggles or protective eyewear should also be worn during the application of any cleaners, sanitizers or disinfectants.
- Soft hat or another protective head cover. Wear an American National Standards Institute (ANSI) rated hardhat if there is any danger of falling debris or electrical hazards.
- Hearing protection (when working in an environment with any noise that you must shout over to be heard).

Comfortable, form fitting, light weight clothing including long pants and a long-sleeved shirt or coveralls. Additional PPE, respiratory protection, or clothing may be required when specific exposure hazards are identified or expected at the work site. In some instances, the protective ensemble components (garment, boots and gloves) may need to be impervious to contaminated flood or other site-specific chemical, physical, or biological hazards. In all instances, workers are advised to wash their hands with soap and clean water, especially before eating or drinking. Protect any cuts or abrasions with waterproof gloves and dressings. The use of insect repellent, sun block and lip balm may also be required for some work environments. Drink plenty of bottled water and take frequent rest breaks to avoid overexertion.

THERMAL STRESSES: HEAT: Workers are at serious risk for developing heat stress. Excessive exposure to hot environments can cause a variety of heat-related problems, including heat stroke, heat exhaustion, heat cramps, and fainting. To reduce the potential for heat stress, drink a glass of fluid every 15 to 20 minutes and wear loose- fitting clothing. Additionally, incorporate work-rest cycles into work routines and when possible distribute the workload evenly throughout the day.

****Temporary cooling to the work areas shall only be authorized by the owner's representative based on the actual need for the work being performed. Where the conditions allow for the operation of part or all of the ventilation systems serving the work area then the need for temporary cooling is NOT necessary. The work area should be maintained at conditions that meet OSHA requirements for health and safety.****



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WORKING IN CONFINED SPACES: If you are required to work in a boiler, furnace, pipeline, pit, pumping station, septic tank, sewage digester, storage tank, utility vault, well, or similar enclosure, you should be aware of the hazards of working in confined spaces. A confined space has one or more of the following characteristics:

- limited openings for entry or exit;
- unfavorable natural ventilation; or
- Is not designed for continuous worker occupancy.

Toxic gases, a lack of oxygen, or explosive conditions may exist in the confined area, resulting in a potentially deadly atmosphere. Because many toxic gases and vapors cannot be seen or smelled, never trust your senses to determine if safe entry is possible. **Never** enter a confined space unless you have been properly trained, even to rescue a fellow worker! If you need to enter a confined space and do not have the proper training and equipment, contact your local fire department for assistance.

CONTRACT IMPLEMENTATION: Contract will be awarded upon review of all bids and proposals received by SynergyNDS. Initiation of contract is engaged upon written bid award letter. At such time, Contractor signed Request for Service Pricing (RFP) will serve as Contract. Complete Contract engagement will occur upon SynergyNDS receipt of all required documentation including but not limited to:

- Certificate of General Liability Insurance
- Certificate of Auto Insurance
- Builder's Risk Insurance
- Certificate of Worker's Compensation or Letter of Exemption
- Contractor's W-9
- State Licenses

Further description of insurance requirements is listed in "Insurance & Licensing Requirements."

ASSIGNMENT OF CONTRACT: Contractor shall not assign the contract or any part thereof to any person, firm, corporation or company unless such assignment is approved in writing by the Purchasing Agent. Such acceptance shall be at the sole discretion of the SynergyNDS upon request of the Contractor. Upon approved and executed written authorization, Contractor will be responsible for coordination of work with other trades. Failure to coordinate this work shall not constitute additional cost as governed by the Lump Sum Contract Award.



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ASSIGNMENT OF CONTRACTOR: Contractor is responsible for supplying all required Personal Protective Equipment (PPE), including but not limited to the furnishing and appropriate use of: hard hat(s), safety glasses, face shields, ear plugs, gloves, boots, fall protection (where required), breathing protection (where required), tie off ropes/apparatuses/points (where required), fire extinguishers, first aid kits, etc. Contractor is required to be familiar with and follow all OSHA, State of Florida and Bay County safety requirements.

Contractor is to hold daily jobsite safety meetings that review the work to be performed, the hazards involved and the methods for reducing and eliminating such hazards, as well as maintain meeting records, - including attendance lists, which shall be kept onsite and available for SynergyNDS review at all times. Contractor shall be solely liable for any and all OSHA violations associated with his/her employees.

SynergyNDS reserves the right to hold weekly progress meetings for which the Subcontractor shall attend. Contractor shall be responsible for daily cleanup of the work performed herein. Failure to cleanup daily after trade will result in cleanup supplementation at Contractor's cost. Twenty-Four (24) hour notice will be given prior to supplementation. Contractor shall be responsible for delivery, loading, unloading, storage, protection, etc. of all work provided herein.

ENERGY EFFICIENCY: The Contractor shall comply with all mandatory standards and policies relating to energy efficiency which are contained in the energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub.L. 94-163) for the State in which the work under this contract is performed.

PROCUREMENT OF RECOVERED MATERIALS: (a) In accordance with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, the Contractor shall procure items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition. The Contractor should procure items designated in the EPA Guidelines that contain the highest percentage of recovered materials practical unless the Contractor determines that such items: (1) are not reasonably available in a reasonable period of time; (2) fail to meet reasonable performance standards, which shall be determined on the basis of the guidelines of the National Institute of Standards and Technology; (3) are only available at un price.

FAILURE TO COMPLY: For failure to deliver in accordance with specifications, SynergyNDS may cancel the contract or any part thereof and purchase services on the open market, charging any additional cost to the Contractor. Contractor shall comply with all applicable state, federal and local codes, and pay all permits, licenses and certificates, and other fees as required by the work.



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INSURANCE & LICENSING REQUIREMENTS: Before starting work, the Contractor will provide SynergyNDS proof of Worker's Compensation and Commercial and Public Liability Insurance. The Contractor must be licensed to do business in the State of Florida and SynergyNDS must be named as an additional insured on general liability insurance certificate.

The Contractor will carry Worker's Compensation Insurance for all employees engaged in work at the site, in accordance with State or Territorial Worker's Compensation Laws.

Commercial and Public Liability with bodily injury and property damage limits will be at a combined single limit of at least \$500,000 to protect the contractor and each subcontractor against claims for injury to or death of one or more persons.

Automobile Liability on owned and non-owned motor vehicles used on the site(s), or in connection with the sites, for a combined single limit for bodily injury and property damages of not less than \$500,000.00 per occurrence.

Builder's Work Insurance limit of at least \$5,000.00 per occurrence and \$10,000.00 aggregate.

Professional Liability \$1,000,000 per occurrence (if applicable).

Contractor will not allow insurance coverage to lapse and will provide Turnkey Recovery Project Manager with updated Certificates of Insurance as necessary. All policies must provide that at least thirty (30) days' notice of cancellation will be given to the FMIT Project Manager and the contractor.

The certificate holder(s) must be noted as:

Synergy NDS, Inc.
1400 Sarno Rd
Melbourne, FL 32935

Florida Municipal Insurance Trust
125 E. Colonial Dr.
Orlando, FL 32801



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This DOES NOT represent a commitment to buy. Any ACTUAL order resulting from this solicitation will be confirmed by Contract Engagement.

CONTRACTOR SUBMITTAL FORM

Company Name _____

Address: _____

City _____ State _____ Zip _____

Phone No _____ Email _____

I, the undersigned, have read and understood all applicable Terms & Conditions as described in the IFB Packet preceding the attached Contractor Submittal Form.

Company Contact _____ Title _____

Signature: _____ Date: _____

LUMP SUM PROPOSAL – SUBMITTAL DEADLINE 02-07-19

036001 (Downtown Improvement) – Abatement \$ _____

Required or Requested Material Deposit \$ _____

RETURN BID TO:

SynergyNDS / Hurricane Michael Recovery

Email: bids@synergynnds.com

Include Email Subject Line Reference: GC2018092556-6884-4705: Downtown Improvement – Abatement

3642 Peddie Drive
Tallahassee, FL 32303

Tel: (850) 576-4652
Fax: (850) 576-4710
www.soeearth.com



FL Certificate of Authorization #3737

INDUSTRIAL HYGIENE CONSULTING, CORP.
10542 Marsh Street
Wellington, FL 33414

October 24, 2018
SESI Job No.: T18-237
SESI Asbestos Business
No.: ZA-0000092
EPA TSCA FLORIDA
LBP FIRM: LBP-15608-1

ATTENTION: Mr. Slade K. Smith

SUBJECT: Limited Asbestos Renovation Survey of Hurricane Damaged areas of the
Downtown Improvement Board Building (36001) at 413 Harrison Avenue,
Panama City, FL

Dear Mr. Smith:

As requested, **Southern Earth Sciences Inc.**, has performed a Limited Asbestos NESHAPS (40 CFR Part 61) Renovation Survey of the identified Hurricane Damaged areas of the Downtown Improvement Board Building (36001).

Asbestos is a naturally occurring fibrous mineral that has many beneficial properties. It is resistant to acids and heat, and does not conduct electricity or heat well. It is because of these features that it was widely used in buildings constructed prior to 1980 (OSHA Presumed ACM). Even today asbestos containing building materials find their way into new construction from materials shipped into the United States from other countries. Asbestos was used in over 3,000 types of construction materials and as previously discussed is still a common additive to building materials.

REGULATORY

The Asbestos Hazard and Emergency Response Act (AHERA) is a Federal Law that describes standards methods for asbestos inspections. This act initially applied to public schools and has been accepted as a standard for the industry. This survey follows the sampling protocol for AHERA surveys.

The Occupational Safety and Health Administration (OSHA) is the regulatory agency for establishing worker safety. This survey satisfies OSHA requirements in 29 CFR 1910.1001 (General Industry) and 29 CFR 1926.1101 (Construction Industry).

The US Environmental Protection Agency (EPA) has established regulatory requirements for asbestos surveys under the National Emission for Hazardous Air Pollutants (Asbestos NESHAPS) 40 CFR Part 61. The NESHAPS requires asbestos surveys be performed for both friable and non-friable materials in buildings prior to renovation or demolition activities. This survey meets the requirements in the Asbestos NESHAPS for asbestos surveys.

DEFINITIONS

Asbestos Containing Materials (ACM): Building materials used for construction of a structure that are known or are suspect for containing asbestos.

Asbestos: Asbestos is the asbestiform varieties of chrysotile, crocidolite, amosite, anthophyllite, tremolite, and actinolite.

Asbestos Inspection: An evaluation performed by a trained and E.P.A. certified inspector to determine the presence or absence of Asbestos-containing materials. Asbestos inspectors engage in the survey and assessment of ACM.

Category I non-friable ACM: asbestos-containing packings, gaskets, resilient floor covering and asphalt products.

Category II non-friable ACM: any material, excluding Category I ACM, that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Demolition: the removal of load-bearing walls or structural components (including roofing).

Regulated Asbestos Containing Material (RACM): (a) Friable asbestos materials, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or, (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by NESHAPS.

Renovation: the removal of any other building components other than load-bearing walls or structural components.

PHYSICAL SURVEY

On October 18th, 2018, SESI visited Martin Theatre and performed an inspection for suspect asbestos-containing materials (ACM) on the identified Hurricane Damaged areas (popcorn surfacing, drywall/joint compound walls, tin ceilings, plaster, drop ceiling tiles, tile/mastic & window caulking/glazing). 32 bulk samples were collected from random suspect materials and sent to Eurofins CEI Labs for PLM Analysis. The laboratory results are attached to this report.

SESI noted that following area samples collected were non-ACM:

- 1st floor hallway walls texture paint coatings
- 1st floor ceilings texture paint coatings
- 1st floor 2'x2' ceilings popcorn surfacing
- 1st floor entryway flooring (12" tile/mastic/leveling compound)
- 1st floor Men's & Women's Restroom floors (2 layers of linoleum)
- 1st floor walls & ceilings with drywall (DW) & joint compound (JC); all areas tested
- 1st floor 2'x2' drop ceiling tiles
- 2nd floor 2'x2' drop ceiling tiles by stairs

- 2nd floor DW/JC walls by stairs
- 2nd floor exterior plaster walls with paint/texture coating (peeling)
- 3rd floor old exterior windows caulking & glazing

SESI noted that the following area samples collected were ACM:

- **2nd floor 2'x2' tin ceiling tiles had friable popcorn surfacing material that was in poor condition and peeling from the tiles. There was surfacing debris on clothing and other materials stored in the 2nd floor of the structure.**
- **3rd floor vent flue chase had drywall (non-ACM) with joint compound (JC/ACM) on the seams of the DW. The composite DW/JC sample was <1% chrysotile asbestos so it was not friable.**

SUMMARY OF ACM

An asbestos containing material is defined as a material that contains more than 1- percent asbestos by volume. Asbestos containing materials are placed into two categories, friable and non-friable. Friable ACM is defined as a material that can be pulverized to powder by hand pressure when dry. A summary of the analysis of suspect bulk samples collected during the survey is located on the attached Table 1.

FRIABLE ACM – The 2nd floor 2'x2' tin ceiling tiles had friable popcorn ceiling texture that contained 3% chrysotile asbestos. This material was in poor condition and peeling from the ceilings. There was debris on the floors and clothing stored on the 2nd floor of the building.

CATEGORY 1 NON-FRIABLE ACM – NO CATEGORY 1 ACM NOTED

CATEGORY 2 NON-FRIABLE ACM – The 3rd floor vent flue chase wall had drywall (non-ACM) with joint compound (JC) on the seams that contained 2% chrysotile asbestos. The composite DW/JC sample was <1% chrysotile asbestos.

RECOMMENDATIONS

A 10-working day notification to the Florida Department of Environmental Protection (DEP) **is required prior to interior renovation work on the 2nd floor of the structure.** The notification should be sent to either tracy.a.white@dep.state.fl.us or carol.melton@dep.state.fl.us at least 10-working days (weekends & holidays excluded) from the start of work on the 2nd floor.

The entire 2nd floor of the structure and 3rd floor vent flue chase walls should be abated by a Florida Licensed Abatement Contractor under abatement conditions with a Negative Pressure Enclosure (NPE), wet decon, containment and other requirements for Class 1 Work under OSHA/EPA requirements. Clearance air testing should be performed by a Florida Licensed Asbestos Consultant.

GENERAL COMMENTS

This survey has been performed to identify asbestos containing materials (ACM) associated with interior building materials. It is not intended as an abatement specification with drawings. Quantities of materials would be verified during the pre-bid by the Contractor.

Comments and observations given above reflect an opinion as to the various materials and conditions visually observed during the inspections and should not be construed as a representation or warranty expressed or implied, as to scope, thoroughness or accuracy of the inspection.

Locating and identifying materials containing asbestos in buildings is a difficult and time-consuming task. All buildings have hidden spaces which may not be immediately obvious to a surveyor who is not intimately familiar with the building. Complicating this task is the fact that asbestos was used in many forms and in many types of materials in the construction of buildings. In some of these materials, asbestos is present, not as an intentional ingredient, but as a contaminant.

Although trained and certified inspectors were used in attempting to locate and identify materials potentially containing asbestos, we do not warrant that all materials containing asbestos have been identified. It is possible that there are materials containing asbestos that were not visible or accessible to the surveyor or, for various reasons, were not sampled.

A conscious effort is made to identify all suspect materials. There is a possibility that conditions or materials may exist which could not be identified during our survey due to physical inaccessibility and the use of nondestructive sampling methods. Materials that typically do not contain asbestos have not been sampled. These materials include but are not limited to plastics, wood, fiberglass, etc. Conclusions and recommendations given in this report are based upon our interpretation of current regulatory standards. Changes in regulatory standards may require changes in our conclusions and recommendations.

We appreciate the opportunity to be of service to you on this project should require additional information, please advise.

Sincerely,

SOUTHERN EARTH SCIENCES, INC.



Roy L. Russell
Asbestos Dept. Manager – LEP #60/CIEC
EPA TSCA LBP Inspector No.: FL-I-5950-5



Mark E. Wilson, P.E.
Florida State Licensed Asbestos Consultant
SESI Asbestos Business No.: ZA-0000092
Florida Licensed Asbestos Consultant No.: AX85
10-24-18

LABORATORY DATA

October 24, 2018

Southern Earth Sciences, Inc.
3642 Peddie Drive
Tallahassee, FL 32303

CLIENT PROJECT: 413 Harrison Ave-PC-Survey; T18-237
CEI LAB CODE: A1813389

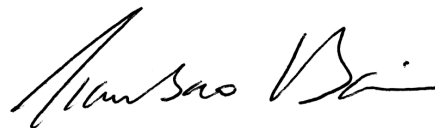
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 22, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Southern Earth Sciences, Inc.

CLIENT PROJECT: 413 Harrison Ave-PC-Survey; T18-237

LAB CODE: A1813389

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/24/18

TOTAL SAMPLES ANALYZED: 32

SAMPLES >1% ASBESTOS: 3

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 413 Harrison Ave-PC-Survey; T18-237

LAB CODE: A1813389

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1		A152641	White	Texture	None Detected
2		A152642	White	Texture	None Detected
3		A152643	White	Texture	None Detected
4		A152644	White	Popcorn	None Detected
5		A152645	White	Popcorn	None Detected
6	Layer 1	A152646	White	Popcorn	None Detected
	Layer 2	A152646	Brown	Ceiling Tile	None Detected
7		A152647A	Gray	Tile	None Detected
		A152647B	Yellow	Mastic	None Detected
8		A152648A	Gray	Tile	None Detected
		A152648B	Yellow	Mastic	None Detected
9		A152649	White,Gray	Drywall/Joint Compound	None Detected
10		A152650	White,Gray	Drywall/Joint Compound	None Detected
11		A152651	White,Gray	Drywall/Joint Compound	None Detected
12		A152652	White,Gray	Ceiling Tile	None Detected
13		A152653	White,Gray	Ceiling Tile	None Detected
14		A152654	Tan	Linoleum	None Detected
15		A152655A	Tan	Linoleum (tile)	None Detected
		A152655B	Yellow,Clear	Mastic	None Detected
16		A152656	Tan	Linoleum	None Detected
17		A152657A	Tan	Linoleum (tile)	None Detected
		A152657B	Yellow,Clear	Mastic	None Detected
18		A152658	White,Gray	Drywall/Joint Compound	None Detected
19		A152659	White,Gray	Drywall/Joint Compound	None Detected
20		A152660	White,Gray	Drywall/Joint Compound	None Detected
21		A152661	White,Tan	Ceiling Tile	None Detected
22		A152662	White	Popcorn	Chrysotile 3%
23		A152663	White	Popcorn	Chrysotile 3%
24		A152664	White	Popcorn	Chrysotile 3%
25		A152665	White,Gray	Plaster	None Detected
26		A152666	White,Gray	Plaster	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 413 Harrison Ave-PC-Survey; T18-237

LAB CODE: A1813389

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
27		A152667	White,Gray	Plaster	None Detected
28		A152668	Tan,Gray	Drywall/Joint Compound	Chrysotile <1%
29		A152669	Gray	Caulking	None Detected
30		A152670	Gray	Caulking	None Detected
31		A152671	Pink	Glazing	None Detected
32		A152672	Pink	Glazing	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Southern Earth Sciences, Inc.
3642 Peddie Drive
Tallahassee, FL 32303

Lab Code: A1813389
Date Received: 10-22-18
Date Analyzed: 10-23-18
Date Reported: 10-24-18

Project: 413 Harrison Ave-PC-Survey; T18-237

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous			Non-Fibrous	
1 A152641	Texture	Heterogeneous White Fibrous Loosely Bound	2%	Cellulose	70%	Calc Carb 20% Binder 8% Paint	None Detected
2 A152642	Texture	Heterogeneous White Fibrous Loosely Bound	2%	Cellulose	70%	Calc Carb 20% Binder 8% Paint	None Detected
3 A152643	Texture	Heterogeneous White Fibrous Loosely Bound	2%	Cellulose	70%	Calc Carb 20% Binder 8% Paint	None Detected
4 A152644	Popcorn	Heterogeneous White Fibrous Loosely Bound	2%	Cellulose	70%	Calc Carb 20% Foam 8% Paint	None Detected
5 A152645	Popcorn	Heterogeneous White Fibrous Loosely Bound	2%	Cellulose	70%	Calc Carb 20% Foam 8% Paint	None Detected
6 Layer 1 A152646	Popcorn	Heterogeneous White Fibrous Loosely Bound	2%	Cellulose	70%	Calc Carb 20% Foam 8% Paint	None Detected
Layer 2 A152646	Ceiling Tile	Heterogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Southern Earth Sciences, Inc.
3642 Peddie Drive
Tallahassee, FL 32303

Lab Code: A1813389
Date Received: 10-22-18
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Project: 413 Harrison Ave-PC-Survey; T18-237

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
7 A152647A	Tile	Heterogeneous Gray Fibrous Bound	2%	Cellulose	70% 28%	Calc Carb Binder	None Detected
A152647B	Mastic	Heterogeneous Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
8 A152648A	Tile	Heterogeneous Gray Fibrous Bound	2%	Cellulose	70% 28%	Calc Carb Binder	None Detected
A152648B	Mastic	Heterogeneous Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
9 A152649	Drywall/Joint Compound	Heterogeneous White,Gray Fibrous Bound	10%	Cellulose	60% 25% 5%	Gypsum Calc Carb Paint	None Detected
10 A152650	Drywall/Joint Compound	Heterogeneous White,Gray Fibrous Bound	10%	Cellulose	60% 25% 5%	Gypsum Calc Carb Paint	None Detected
11 A152651	Drywall/Joint Compound	Heterogeneous White,Gray Fibrous Bound	10%	Cellulose	60% 25% 5%	Gypsum Calc Carb Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Southern Earth Sciences, Inc.
3642 Peddie Drive
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Lab Code: A1813389
Date Received: 10-22-18
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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
12 A152652	Ceiling Tile	Heterogeneous	40%	Cellulose	30%	Perlite	None Detected
		White,Gray	15%	Fiberglass	10%	Binder	
		Fibrous			5%	Paint	
		Loosely Bound					
13 A152653	Ceiling Tile	Heterogeneous	40%	Cellulose	30%	Perlite	None Detected
		White,Gray	15%	Fiberglass	10%	Binder	
		Fibrous			5%	Paint	
		Loosely Bound					
14 A152654	Linoleum	Heterogeneous	25%	Cellulose	50%	Vinyl	None Detected
		Tan			25%	Binder	
		Fibrous			<1%	Mastic	
		Loosely Bound					
15 A152655A	Linoleum (tile)	Heterogeneous	2%	Cellulose	60%	Vinyl	None Detected
		Tan			30%	Calc Carb	
		Fibrous			8%	Binder	
		Bound					
A152655B	Mastic	Heterogeneous	2%	Cellulose	98%	Mastic	None Detected
		Yellow,Clear					
		Fibrous					
		Bound					
16 A152656	Linoleum	Heterogeneous	25%	Cellulose	50%	Vinyl	None Detected
		Tan			25%	Binder	
		Fibrous			<1%	Mastic	
		Loosely Bound					
17 A152657A	Linoleum (tile)	Heterogeneous	2%	Cellulose	60%	Vinyl	None Detected
		Tan			30%	Calc Carb	
		Fibrous			8%	Binder	
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Southern Earth Sciences, Inc.
3642 Peddie Drive
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Lab Code: A1813389
Date Received: 10-22-18
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Project: 413 Harrison Ave-PC-Survey; T18-237

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A152657B	Mastic	Heterogeneous Yellow, Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
18 A152658	Drywall/Joint Compound	Heterogeneous White, Gray Fibrous Loose	10%	Cellulose	60% 20% 10%	Gypsum Calc Carb Binder	None Detected
19 A152659	Drywall/Joint Compound	Heterogeneous White, Gray Fibrous Loose	10%	Cellulose	60% 20% 10%	Gypsum Calc Carb Binder	None Detected
20 A152660	Drywall/Joint Compound	Heterogeneous White, Gray Fibrous Loose	10%	Cellulose	60% 20% 10%	Gypsum Calc Carb Binder	None Detected
21 A152661	Ceiling Tile	Heterogeneous White, Tan Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
22 A152662	Popcorn	Heterogeneous White Fibrous Loosely Bound			70% 20% 7%	Calc Carb Foam Paint	3% Chrysotile
23 A152663	Popcorn	Heterogeneous White Fibrous Loosely Bound			70% 20% 7%	Calc Carb Foam Paint	3% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Southern Earth Sciences, Inc.
3642 Peddie Drive
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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
24 A152664	Popcorn	Heterogeneous White Fibrous Loosely Bound			70% 20% 7%	Calc Carb Foam Paint	3% Chrysotile
25 A152665	Plaster	Heterogeneous White,Gray Fibrous Bound	<1%	Cellulose	70% 20% 10%	Silicates Calc Carb Paint	None Detected
26 A152666	Plaster	Heterogeneous White,Gray Fibrous Bound	<1%	Cellulose	70% 20% 10%	Silicates Calc Carb Paint	None Detected
27 A152667	Plaster	Heterogeneous White,Gray Fibrous Bound	<1%	Cellulose	70% 20% 10%	Silicates Calc Carb Paint	None Detected
28 A152668	Drywall/Joint Compound	Heterogeneous Tan,Gray Fibrous Loosely Bound	10%	Cellulose	60% 20% 10%	Gypsum Calc Carb Binder	<1% Chrysotile
Lab Notes: 2% Chrysotile in joint compound; <1% chrysotile in overall sample							
29 A152669	Caulking	Heterogeneous Gray Non-fibrous Bound			95% 5%	Caulk Paint	None Detected
30 A152670	Caulking	Heterogeneous Gray Non-fibrous Bound			95% 5%	Caulk Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Date Reported: 10-24-18

Project: 413 Harrison Ave-PC-Survey; T18-237

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
31 A152671	Glazing	Heterogeneous	2%	Cellulose	70%	Calc Carb	None Detected
		Pink			28%	Binder	
		Fibrous					
		Loosely Bound					
32 A152672	Glazing	Heterogeneous	2%	Cellulose	70%	Calc Carb	None Detected
		Pink			28%	Binder	
		Fibrous					
		Loosely Bound					

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

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Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

ANALYST: Sarah Talley
 Sarah Talley

APPROVED BY: Tianbao Bai
 Tianbao Bai, Ph.D., CIH
 Laboratory Director



CHAIN OF CUSTODY

CEI

730 SE Maynard Road, Cary, NC 27511

Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code:

A19133896323

CEI Lab I.D. Range:

A152641-A152672

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact: ROY L. RUSSELL	
Company: SOUTHERN EARTH SCIENCES INC.		Email / Tel: rrussell@soearth.com 850-519-1565	
Address: 3642 PEDDIE DRIVE, TALLAHASSEE, FL 32303		Project Name: 413 Harrison Av. - PC Survey	
		Project ID#: T18-237	
Email: rrussell@soearth.com		PO #:	
Tel: 850-576-4652 Fax: 850-576-4710		STATE SAMPLES COLLECTED IN: FL	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR (PCME)	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05 (2010)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09 (2014)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-16			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	IN-HOUSE METHOD		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:



Accept Samples



Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
By [Signature]	10-19-18 1800	MSV	10/22 9:10

Samples will be disposed of 30 days after analysis

Page 1 of 3

COMPANY CONTACT INFORMATION

Company: SOUTHERN EARTH SCIENCES INC.

Job Contact: ROY L. RUSSELL - TALLAHASSEE OFFICE

Project Name: 413 HARRISON AV - PC-Survey

rrussell@soearth.com ljackson@soearth.com

Project ID #: T18-237

Tel: 850-519-1565

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST
1	1 st FLOOR East Wall	Texture PLM	TEM
2	" " " "	Texture PLM	TEM
3	" " " Ceiling	Texture PLM	TEM
4	" " " " Popcorn	PLM	TEM
5	" " Mid Hall " " Popcorn	PLM	TEM
6	" " West Hall " " Popcorn	PLM	TEM
7	" " Entryway FLOOR	Tile Mastic PLM	TEM
8	" " " " " " Tile Mastic	PLM	TEM
9	" " East Entry Ceiling	DW/SC Composite PLM	TEM
10	" " East Wall	DW/SC Composite PLM	TEM
11	" " Mid Hall Wall	DW/SC Composite PLM	TEM
12	" " Hall Drop Ceiling	2'x2' CT PLM	TEM
13	" " " " " " 2'x2' CT	PLM	TEM
14	" " Women RR (Top Layer)	Linoleum PLM	TEM
15	" " " " (Bottom Layer)	Linoleum PLM	TEM
16	" " Men RR (Top Layer)	Linoleum PLM	TEM
17	" " " " (Bottom Layer)	Linoleum PLM	TEM
18	" " West Stairwell Wall	DW/SC Composite PLM	TEM
19	" " West Maint Rm Wall	DW/SC Composite PLM	TEM
20	2 nd FLOOR West Stairwell Wall	DW/SC Composite PLM	TEM
21	" " West by Stair Ceiling	2'x2' CT PLM	TEM
22	" " 2'x2' TINCT (ceiling)	Popcorn PLM	TEM
23	" " " " " " " " Popcorn	PLM	TEM
24	" " " " " " " " Popcorn	PLM	TEM
25	" " Ext Wall (peeling)	Paint Plaster PLM	TEM
26	" " " " " " " " Paint Plaster	PLM	TEM
27	" " " " " " " " Paint Plaster	PLM	TEM
28	3 rd FLOOR Vent Flue Chase	DW/SC Composite PLM	TEM



A1813389

COMPANY CONTACT INFORMATION	
Company: SOUTHERN EARTH SCIENCES INC.	Job Contact: ROY L. RUSSELL - TALLAHASSEE OFFICE
Project Name: 413 Harrison Av - PC - Survey	rrussell@soearth.com ljackson@soearth.com
Project ID #: T18-237	Tel: 850-519-1565

[illegible]

CERTIFICATIONS



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

SOUTHERN EARTH SCIENCES INC

MICHAEL K. VARNER
7500-A MCELVEY ROAD
PANAMA CITY BEACH FL 32408

LICENSE NUMBER: ZA00000092

EXPIRATION DATE: NOVEMBER 30, 2019

Always verify licenses online at MyFloridaLicense.com

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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

AX85

ISSUED: 10/09/2016

ASBESTOS CONSULTANT
WILSON, MARK E
SOUTHERN EARTH SCIENCES INC

IS LICENSED under the provisions of Ch. 469 FS
Expiration date NOV 30, 2018 L1610090002699

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER	
AX85	

The ASBESTOS CONSULTANT
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2018

WILSON, MARK E
SOUTHERN EARTH SCIENCES INC
3642 PEDDIE DRIVE
TALLAHASSEE FL 32303



ISSUED: 10/09/2016

DISPLAY AS REQUIRED BY LAW

SEQ # L1610090002699

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER	
ZA0000092	

The ASBESTOS BUSINESS ORGANIZATION
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2017

SOUTHERN EARTH SCIENCES INC
MICHAEL K. VARNER
7500-A MCELVEY ROAD
PANAMA CITY BEACH FL 32408



ISSUED: 09/13/2015

DISPLAY AS REQUIRED BY LAW

SEQ # L1509130003037



Center for Training, Research and Education for Environmental Occupations

certifies

Roy L. Russell

Southern Earth Sciences Inc, 3642 Peddie Dr., Tallahassee, FL 32303

Having passed a 25-question exam with a score of 70% or higher has successfully met training requirements for

Asbestos Refresher: Inspector

FDBPR Asbestos Licensing Unit: Provider #0000995; Course #FL49-0004731 (½ Day; 3.40 Contact Hours)
(Reaccreditation for Inspector under TSCA Title II/AHERA)

Conducted

08/07/2018

Certificate #: 190044-7231

Exam Date: 08/07/2018

EPA accreditation expires: 08/07/2019

Principal Instructor: Brian Duchene, PE, LAC

CEUs: .4

FBPR LAC: #0000995; Course #0004731

FBPE CEHs: #0004021; Course #0009083/Educational Institutions: 4 CEHs

Carol Hinton

Carol Hinton, Associate Director

University of Florida TREEO Center • 3900 SW 63 Boulevard • Gainesville, FL 32608-3800 • 352-392-9570 • www.treeo.ufl.edu